

The Acoustic Spectrums of the Combustion Process in the IC-Engines

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Abstract

© The Authors, published by EDP Sciences, 2018. The results of the Fourier spectroscopy of the acoustic noise of an internal combustion engine are presented. The sound was recorded using a voice recorder placed near the four-cylinder petrol engine. The engine speed was set to the fixed values from 900 to 3000 rpm. The distinctive characteristics of the periodograms were associated with the certain physical processes in the engine.

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